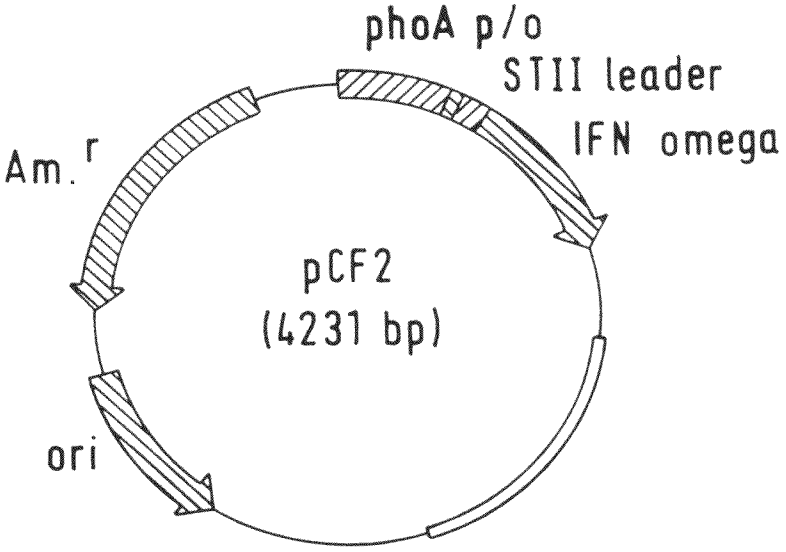
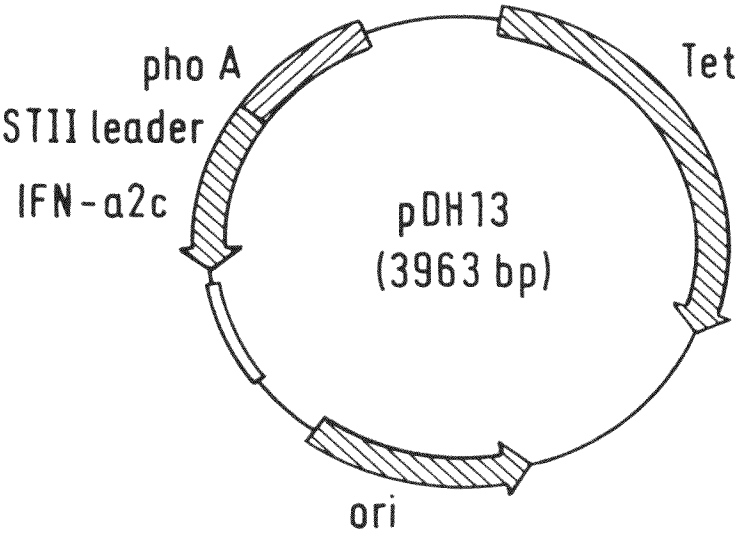


FIG. 1A

FIG. 2A



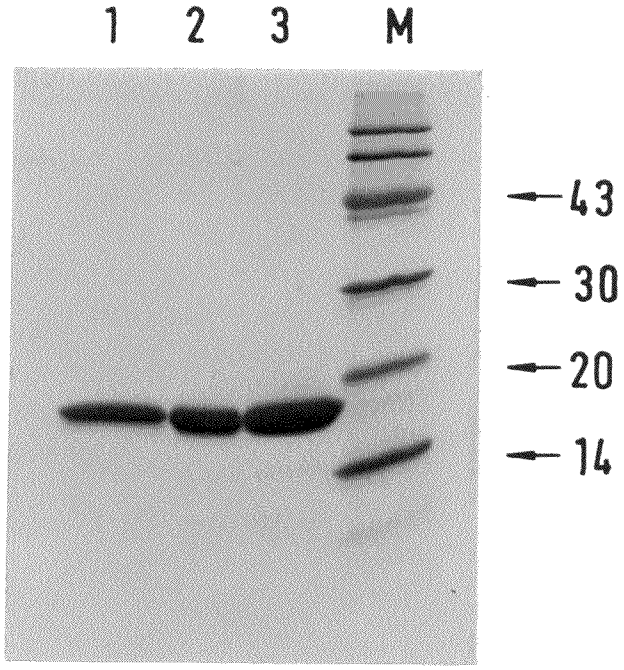


FIG. 4

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 1B

```
gaattggagattatcgtcactgcaatgcttcgcaatatggcgcaaaatgaccaac    55
agcggttgattgatcaggtagaggggcgctgtacgaggtaaagcccgatgccag    110
cattcctgacgacgatacggagctgctgcgcgattacgtaaagaagttattgaag    165
catcctcgtcagtaaaaagttaatcttttcaacagctgtcataaagttgtcacgg    220
ccgagacttatagtcgctttgtttttatttttaatgtatttgctcgagaggttg    275
aggtgatttt  ATG AAA AAG AAT ATC GCA TTT CTT CTT GCA TCT    318
              M   K   K   N   I   A   F   L   L   A   S     11
ATG TTC GTT TTT TCT ATT GCT ACA AAT GCC TAT GCA TGT GAT    360
 M   F   V   F   S   I   A   T   N   A   Y   A   C   D     25
CTG CCT CAG AAC CAT GGC CTA CTT AGC AGG AAC ACC TTG GTG    402
  L   P   Q   N   H   G   L   L   S   R   N   T   L   V     39
CTT CTG CAC CAA ATG AGG AGA ATC TCC CCT TTC TTG TGT CTC    444
  L   L   H   Q   M   R   R   I   S   P   F   L   C   L     53
AAG GAC AGA AGA GAC TTC AGG TTC CCC CAG GAG ATG GTA AAA    486
 K   D   R   R   D   F   R   F   P   Q   E   M   V   K     67
GGG AGC CAG TTG CAG AAG GCC CAT GTC ATG TCT GTC CTC CAT    528
 G   S   Q   L   Q   K   A   H   V   M   S   V   L   H     81
GAG ATG CTG CAG CAG ATC TTC AGC CTC TTC CAC ACA GAG CGC    570
 E   M   L   Q   Q   I   F   S   L   F   H   T   E   R     95
```

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APPROVED BY DRAFTSMAN | O.G. FIG. CLASS | SUBCLASS

```
TCC TCT GCT GCC TGG AAC ATG ACC CTC CTA GAC CAA CTC CAC   612
 S   S   A   A   W   N   M   T   L   L   D   Q   L   H   109
ACT GGA CTT CAT CAG CAA CTG CAA CAC CTG GAG ACC TGC TTG   654
 T   G   L   H   Q   Q   L   Q   H   L   E   T   C   L   123
CTG CAG GTA GTG GGA GAA GGA GAA TCT GCT GGG GCA ATT AGC   696
 L   Q   V   V   G   E   G   E   S   A   G   A   I   S   137
AGC CCT GCA CTG ACC TTG AGG AGG TAC TTC CAG GGA ATC CGT   738
 S   P   A   L   T   L   R   R   Y   F   Q   G   I   R   151
GTC TAC CTG AAA GAG AAG AAA TAC AGC GAC TGT GCC TGG GAA   780
 V   Y   L   K   E   K   K   Y   S   D   C   A   W   E   165
GTT GTC AGA ATG GAA ATC ATG AAA TCC TTG TTC TTA TCA ACA   822
 V   V   R   M   E   I   M   K   S   L   F   L   S   T   179
AAC ATG CAA GAA AGA CTG AGA AGT AAA GAT AGA GAC CTG GGC   864
 N   M   Q   E   R   L   R   S   K   D   R   D   L   G   193
TCA TCT TGA aatgattctcattgattaatttgccatataacacttgcacatg   916
 S   S   *                                               196
tgactctggtcaattcaaaagactcttatttcggctttaatcacagaattgactg   971
aattagttctgcaaatactttgtcggtatattaagccagtatatgttaaaaagac  1026
ttaggttcaggggcatcagtccctaagatgttatttatttttactcatttattta  1081
ttcttacattttatcatatttatactatttatattcttatataacaaatgtttgc  1136
ctttacattgtattaagataacaaaacatgttcaggatcc                 1176
```

FIG. 1B (CONTD)

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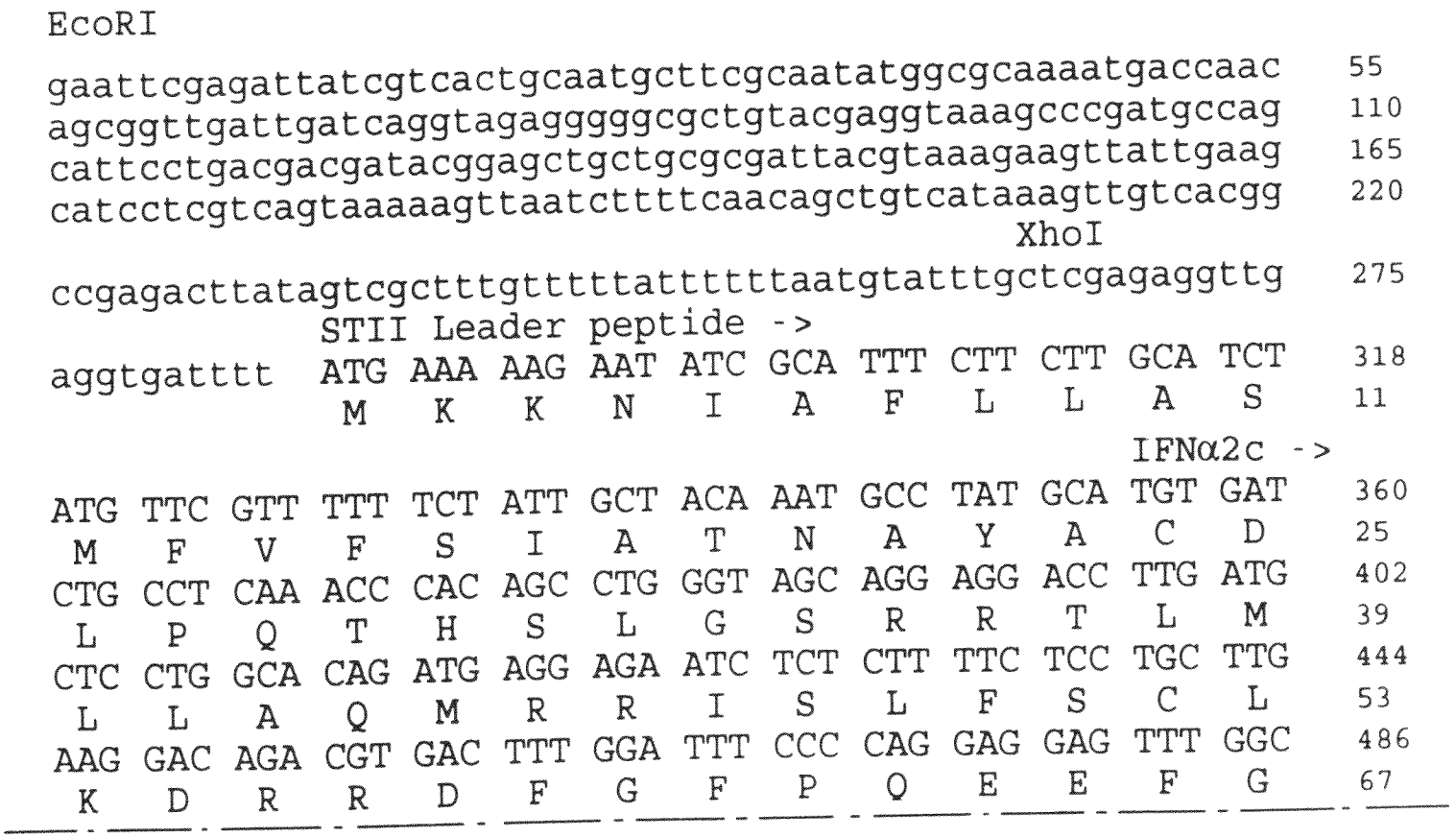
APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 2B



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APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

```
AAC CAG TTC CAA AAG GCT GAA ACC ATC CCT GTC CTC CAT GAG    528
 N   Q   F   Q   K   A   E   T   I   P   V   L   H   E     81
ATG ATC CAG CAG ATC TTC AAT CTC TTC AGC ACA AAG GAC TCA    570
 M   I   Q   Q   I   F   N   L   F   S   T   K   D   S     95
TCT GCT GCT TGG GAT GAG ACC CTC CTA GAC AAA TTC TAC ACT    612
 S   A   A   W   D   E   T   L   L   D   K   F   Y   T    109
GAA CTC TAC CAG CAG CTG AAT GAC CTG GAA GCC TGT GTG ATA    654
 E   L   Y   Q   Q   L   N   D   L   E   A   C   V   I    123
CAG GGG GTG GGG GTG ACA GAG ACT CCC CTG ATG AAG GAG GAC    696
 Q   G   V   G   V   T   E   T   P   L   M   K   E   D    137
TCC ATT CTG GCT GTG AGG AAA TAC TTC CAA AGA ATC ACT CTC    738
 S   I   L   A   V   R   K   Y   F   Q   R   I   T   L    151
TAT CTG AAA GAG AAG AAA TAC AGC CCT TGT GCC TGG GAG GTT    780
 Y   L   K   E   K   K   Y   S   P   C   A   W   E   V    165
GTC AGA GCA GAA ATC ATG AGA TCT TTT TCT TTG TCA ACA AAC    822
 V   R   A   E   I   M   R   S   F   S   L   S   T   N    179
                                      PvuI      PstI
TTG CAA GAA AGT TTA AGA AGT AAG GAA tgataacgatcgtaactgc    868
 L   Q   E   S   L   R   S   K   E                        188
   HindIII
agaagctt                                                  876
```

FIG. 2B (CONTD)

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APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 3A

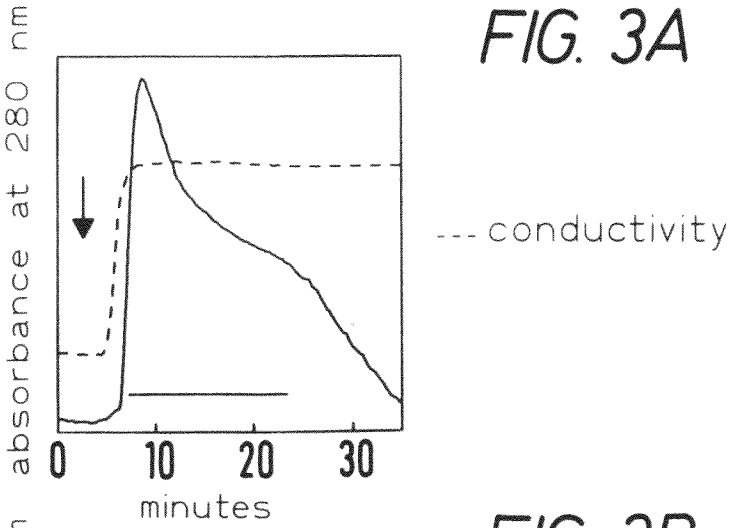


FIG. 3B

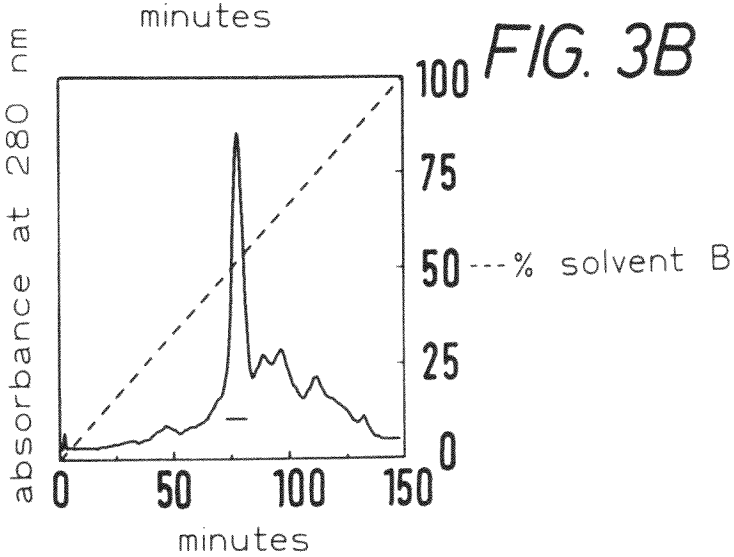


FIG. 3C

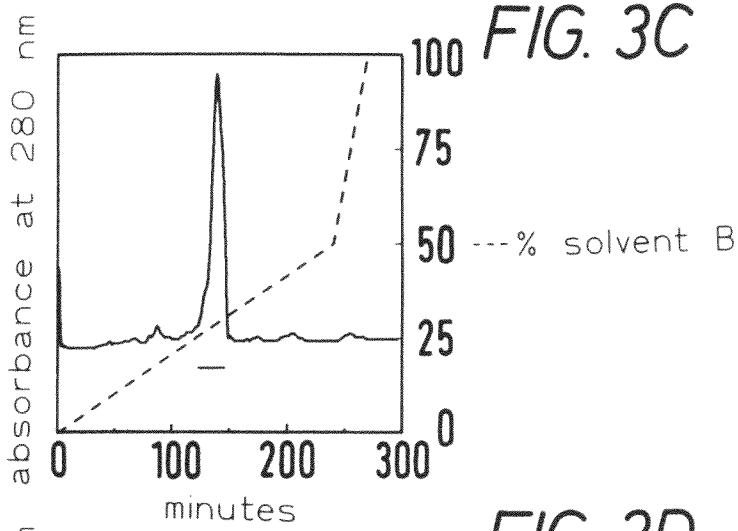
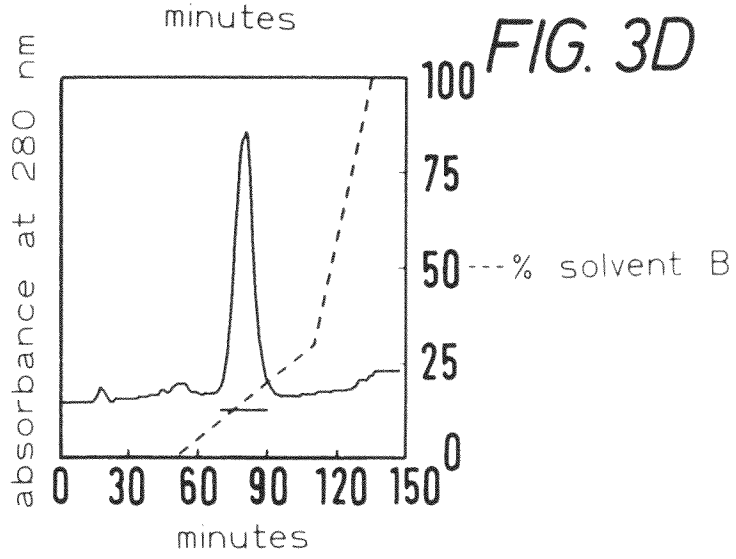


FIG. 3D



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APPROVED BY DRAFTSMAN
O.G. FIG.
CLASS
SUBCLASS

FIG. 5A

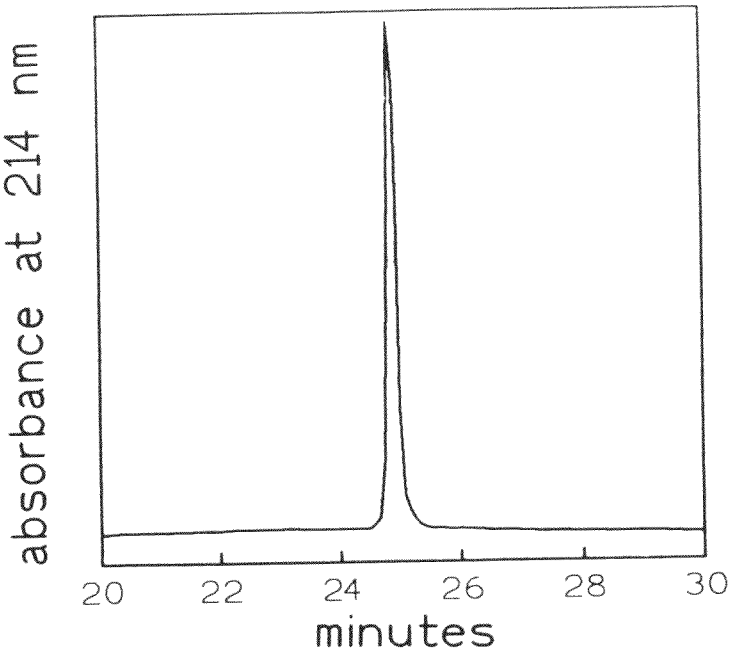
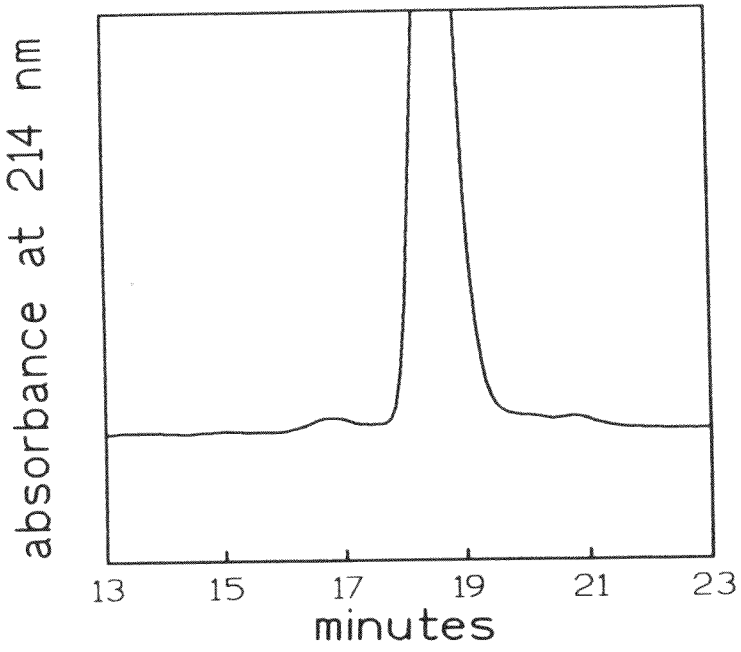
FIG. 5B